

Please amend the present application as follows:

Claims

The following is a copy of Applicant's claims that identifies language being added with underlining ("____") and language being deleted with strikethrough ("———") or brackets ("[[]]"), as is applicable:

1. (Currently amended) A method for providing a client on a remote client network access to a service provider resource on a local service provider network, the method comprising the following actions:

(a) providing a graphical user interface (GUI) ~~to~~ that enables an operator of the service provider, ~~wherein the GUI can be used by the service provider operator to construct [[a]] virtual local area networks (VLANs) between [[a]] clients computer on the remote client networks and [[a]] service provider computers on the service provider network, the GUI being configured such that the~~ using a process used by the service provider operator to construct the VLANs using the GUI that is the same regardless of a the configurations of the remote client networks;

(b) receiving commands of the service provider operator with the GUI that convey the identity of the a particular client and the a particular service provider computer to be accessed by the client;

(c) automatically determining the configuration of the client's network; ~~and~~

(d) automatically establishing a VLAN between the client's network computer and the service provider computer ~~so as~~ to enable the client to remotely utilize the computing capabilities of the service provider computer; and

(e) repeating actions (b) through (d) for multiple different clients having different network configurations, the process used by the service provider operator to construct the VLAN using the GUI being the same regardless of the different network configurations.

2. (Previously presented) The method of claim 1, wherein the GUI comprises lists of clients and available service provider computers.

3. (Previously presented) The method of claim 2, wherein receiving commands comprises first receiving selection of a client for which connectivity is to be provided.

4. (Previously presented) The method of claim 2, wherein receiving commands comprises detecting association of a service provider computer with a client VLAN.

5. (Previously presented) The method of claim 4, wherein association of a service provider computer with a client VLAN is communicated with the GUI by dragging the service provider computer and dropping it on the client VLAN.

6. (Previously presented) The method of claim 1, wherein determining the configuration of the client network comprises accessing a connectivity database that stores the client network configurations.

7. (Currently amended) A system for providing a client on a remote client network access to a service provider resource on a local service provider network, the system comprising:

means for providing a graphical user interface (GUI) to an operator of the service provider, ~~wherein the GUI can be used by~~ being configured to enable the service provider operator to construct a virtual local area network (VLAN) between [[a]] clients computer on the remote client networks and [[a]] service provider computers on the service provider network, ~~the GUI being configured such that the~~ using a process used by the service provider operator to construct the VLAN using the GUI that is the same regardless of [[a]] the configurations of the remote networks;

means for receiving commands of the service provider operator with the GUI that convey the identity of ~~the~~ a particular client and ~~the~~ a particular service provider computer to be accessed by the client;

means for automatically determining the configuration of the client's network;
and

means for automatically establishing a VLAN between the client's network computer and the service provider computer ~~so as~~ to enable the client to remotely utilize the computing capabilities of the service provider computer.

8. (Previously presented) The system of claim 7, wherein the GUI comprises lists of clients and available service provider computers.

9. (Original) The system of claim 8, wherein the means for receiving commands comprises means for receiving selection of a client for which connectivity is to be provided.

10. (Previously presented) The system of claim 8, wherein the means for receiving commands comprises means for detecting association of a service provider computer with a client VLAN.

11. (Previously presented) The system of claim 7, wherein the means for determining the configuration of the client network comprises means for accessing a connectivity database that stores the client network configurations.

12. (Previously presented) A computer readable medium comprising a program configured to provide a client on a remote client network access to a service provider resource on a local service provider network, the program comprising:

logic configured to provide a graphical user interface (GUI) to an operator of the service provider, ~~wherein the GUI can be used by~~ being configured to enable the service provider operator to construct ~~[[a]]~~ virtual local area networks (VLANs) between ~~[[a]]~~ clients ~~computer~~ on the remote client network and ~~[[a]]~~ service provider computers on the service provider network, ~~the GUI being configured such that the~~ using a process ~~used by the service provider operator to construct the VLAN using the GUI that~~ is the same regardless of ~~[[a]]~~ the configurations of the remote client networks;

logic configured to receive commands of the service provider operator with the GUI that convey the identity of the a particular client and the a particular service provider computer to be accessed by the client;

logic configured to automatically determine the configuration of the client's network; and

logic configured to automatically establish a VLAN between the client's network computer and the service provider computer ~~so as~~ to enable the client to remotely utilize the computing capabilities of the service provider computer.

13. (Previously presented) The computer readable medium of claim 12, wherein the GUI comprises lists of clients and available service provider computers.

14. (Previously presented) The computer readable medium of claim 13, wherein the logic configured to receive commands comprises logic configured to receive selection of a client for which connectivity is to be provided.

15. (Previously presented) The computer readable medium of claim 14, wherein the logic configured to receive commands further comprises logic configured to detect association of a service provider computer with a client VLAN.

16. (Previously presented) The computer readable medium of claim 12, wherein the logic configured to determine the configuration of the client network comprises logic configured to access a connectivity database that stores the client network configurations.

17-19. (Canceled)